NetFeeler Lite

Remote Environment Measurement

User's Manual

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TECHNICAL SUPPORT

NetFeeler Lite is developed by Mega System Technologies, Inc. If there is any question or comment about this product, please feel free to contact us.

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1. Introduction

NetFeeler Lite can detect variation in Temperature, Humidity and presence of Water. It can also be used with the following add-on devices;

a. Wireless Smoke Sensor,
b. Wireless Gas Sensors, and;
c. Wireless Door/Window sensor.

When an event occurs, NetFeeler Lite alarm will buzz. It can also be configured to send out an email at the same time.

NetFeeler Lite can be used with either NetAgent II or Remote Power Manager (RPM). Once connected, a new item will be shown on either NetAgent II or RPM web page. User can then monitor environment status via the internet using a standard browser.

NetFeeler Lite can also be used with other Wireless Sensors to build a tight and reliable security system.

2. Features

Œ Allow user to monitor the environment through the Internet.

- Able to measure variations in Temperature, Humidity and presence of Water.

Ž Built-in RF receiver allows NetFeeler Lite to communicate with; Wireless Smoke Sensors, Wireless Gas Sensors and Wireless Security Sensors (ie for doors and windows)

- Support SNMP protocol for NMS.

- Support multiple Servers shutdown in Windows, Linux & FreeBSD operation systems

3. Specifications

Description	
Two LED indicators and a “RESET” button on NetFeeler Lite.	
Green LED	Power
Red LED	Alarm indicator
RESET button	To turn off alarm
Power supply	DC9V 500mA
R11 Port	Connect to NetAgent II or RPM
DIP switch	To set NetFeeler Lite identification DIP.
Humidity Specification	
Detection Range	10 to 90% Relative Humidity non-condensing.
Accuracy	±0.5% Relative Humidity.
Response Time	15 seconds in moving air.
Temperature Range	-40℃ to +85℃ (-40℉ to +185℉)
Temperature Specification	
Detection Range	-50℃ to +100℃
Accuracy	±1℃
Response Time	10 seconds in moving air.
Optional Adapters	
ME-PK-612	RF Smoking Sensor
ME-PK-613	RF Door and Windows Magnetic Detector
ME-PK-614	RF Gas Sensor

4. Application

4.1. Connect to NetAgent II (for UPS)

- Support SNMP protocol for NMS, such as HP OpenView
- Monitor environment data via Web Browser.

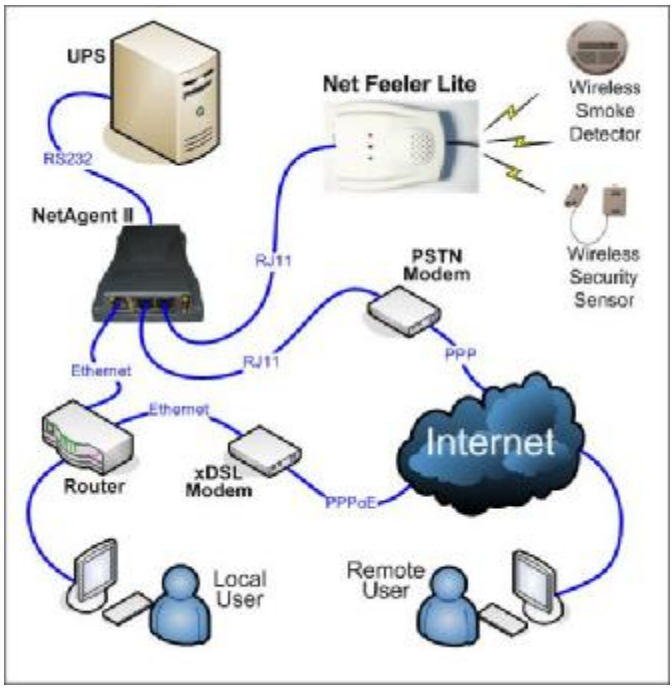


Fig.1 Connects to NetAgent II

4.2. Connect to Remote Power Manager (RPM)

- Support SNMP protocol for NMS, such as HP OpenView
- Monitor environment data via Web Browser.

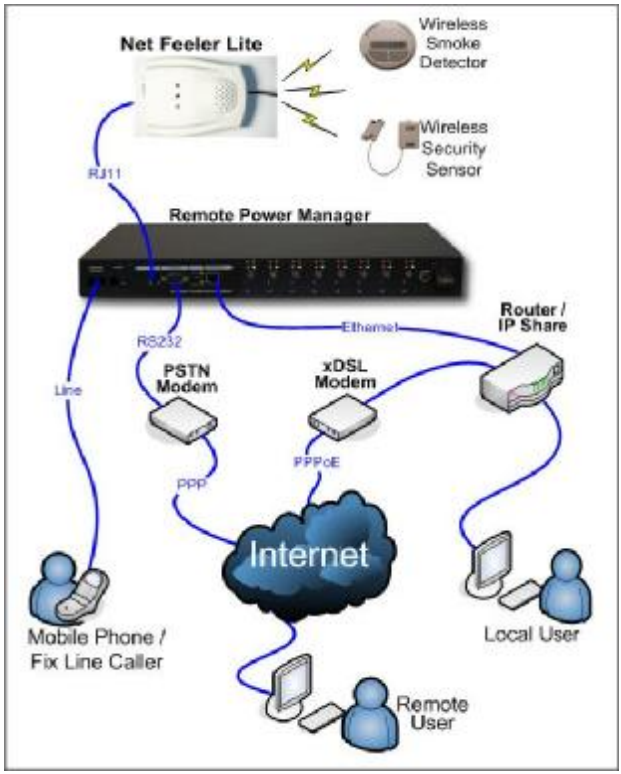


Fig.2 Connects to RPM

4.3. Connect to a Computer thru the RS232 Port

NetFeeler Lite can be used directly with the PC. However modifications are necessary. Please contact us for more details.

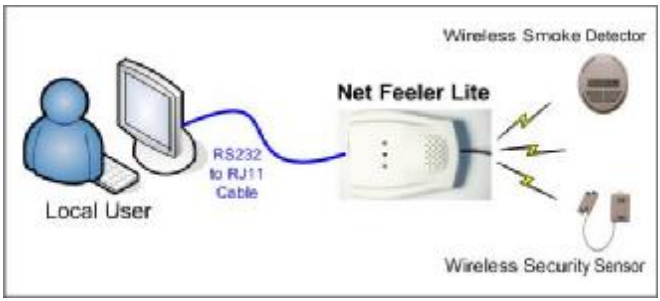
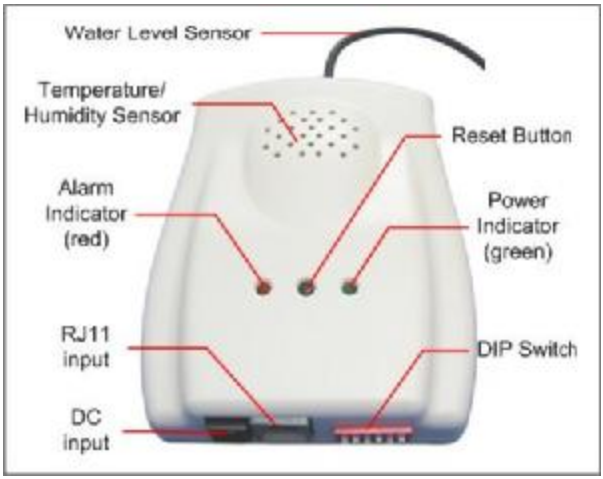


Fig.3 NetFeeler Lite connected to a Computer

- Connect to computer directly via RS232 port.
- Send Email, SMS, alert message when an event occurs.
- Auto save files and shutdown the operating system when pre-determined events are detected. For instance;
    a. when there is a critical over/under run of temperature or humidity,
    b. when there are variations in water level,
    c. upon the presence of smoke
    d. when there is an unauthorized access to the room or area.
- Supports Windows and Linux system.

5. Environment



There are two LED indicators on top of NetFeeler Lite. The Green LED shows the power status, and the Red LED shows security warnings from sensors.

The Reset button is to turn off the alarm. At the bottom there is one DC power input port and one RJ11 input port for connection to either NetAgent II or Remote Power Manager.

The DIP switch is to identify NetFeeler Lite.

5.1. How to set DIP on NetFeeler Lite Detection Center (*Receiver*)

On NetFeeler Lite;

- Set DIP 1: **up** ↑. (To turn on the power)
- Set DIP 2-6: **up** ↑ **or down** ↓

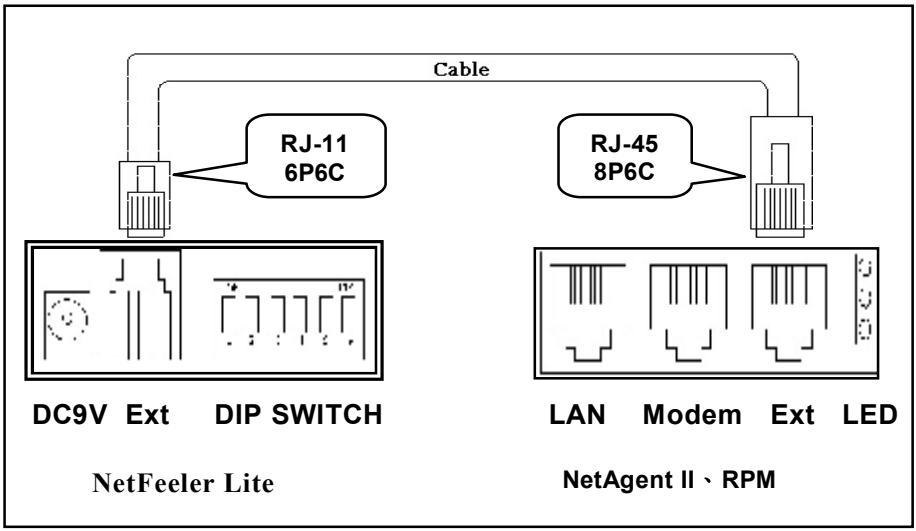


Fig.4 Connection between NetFeeler Lite and NetAgent II or RPM

5.2. How to set DIP on Wireless Smoke / Gas Sensors (*Transmitter*)

Locate the DIP switch shown in Fig.5 on the Wireless Smoke or Gas Sensors.

- Set DIP 1: to “+”.
- Set DIP 2-6: Same combination as NetFeeler Lite.
- Set DIP 7 & 8: to “–”

Note: Do not leave any DIP switch in the “0” position.

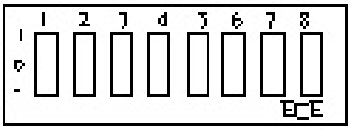


Fig.5 Wireless Smoke/Gas Sensor DIP SWITCH

GAS	SMOKE
0100	0101

Fig.5.1 Sensor Default Code

5.3. How to set DIP on Wireless D/W Sensors *(Transmitter)*

Open the casing to reveal two DIP Switch as shown below.

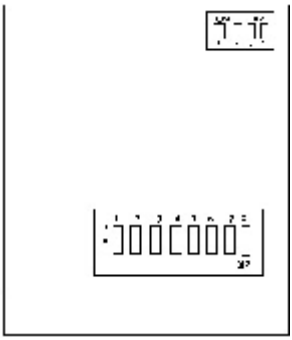


Fig.6: Wireless D/W Sensors DIP SWITCH

F Top-Right DIP Switch:
Assign an identification number to the Wireless D/W Sensors. Up to 7 different sets can be assigned.

DIP SWITCH	↑↓↓↓ 1234	↑↓↓↑ 1234	↑↓↑↓ 1234	↑↓↑↑ 1234	↑↑↓↓ 1234	↑↑↓↑ 1234	↑↑↑↓ 1234
BINARY	1000	1001	1010	1011	1100	1101	1110
NUMBER	1	2	3	4	5	6	7

Fig.6.1 Wireless D/W Sensor DIP Setting Code

11 Environment

F Bottom DIP Switch:

- Œ Set DIP 1: to "+".
- • Set DIP 2-6 **to the same combination as NetFeeler Lite**
- Ž Set DIP 7 & DIP 8 to "–"

Example:

If your NetFeelerLite DIP 2~6 are all set to up, you have to set DIP 2~6 in Wireless D/W Sensor to all "+". (Set only to the "＋" or "－" position, do not leave DIP at the "O" position.)

5.4. For other *Transmitter* devices

Open device case and locate the DIP Switch, set Transmitter DIP 1 to + position and set DIP 2 to 6 the same as NetFeeler Lite.

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